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<110> Lanfear, Jeremy
Robas, Nicola M.

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PC9477BSEQ LISTING.APP.txt

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aagggttgct agcttgccctg cactgtggca aagacctgag gacctggaat ggtgaccact 1020
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 <211> 300
 <212> PRT
 <213> Mouse

<400> 13
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 Met Lys Glu Gly Gln Pro Arg Leu Ile Pro Ala Gly Pro Ile Thr Gln
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 Gly Thr Thr Ile Ser Ala Tyr Val Ala Lys Ser Arg Lys Thr Leu Leu
 35 40 45
 Val Glu Asp Ile Leu Gly Asp Glu Arg Phe Pro Arg Gly Thr Gly Leu
 50 55 60
 Glu Ser Gly Thr Arg Ile Gln Ser Val Leu Cys Leu Pro Ile Val Thr
 65 70 75 80
 Ala Ile Gly Asp Leu Ile Gly Ile Leu Glu Leu Tyr Arg His Trp Asp
 85 90 95
 Lys Glu Ala Phe Cys Leu Ser His Gln Glu Val Ala Thr Ala Asn Leu
 100 105 110
 Ala Trp Ala Ser Val Ala Ile His Gln Val Gln Val Cys Arg Gly Leu
 115 120 125
 Ala Lys Gln Thr Glu Leu Asn Asp Phe Leu Leu Asp Val Ser Lys Thr
 130 135 140
 Tyr Phe Asp Asn Ile Val Ala Ile Asp Ser Leu Leu Glu His Ile Ile
 145 150 155 160
 Ile Tyr Ala Lys Asn Leu Val Asn Ala Asp Arg Cys Ala Leu Phe Gln
 165 170 175
 Val Asp His Lys Asn Lys Glu Leu Tyr Ser Asp Leu Phe Asp Ile Gly
 180 185 190
 Glu Glu Lys Glu Gly Lys Pro Ile Phe Lys Lys Thr Lys Glu Ile Arg
 195 200 205
 Phe Ser Ile Glu Lys Gly Ile Ala Gly Gln Val Ala Arg Thr Gly Glu
 210 215 220
 Val Leu Asn Ile Pro Asp Ala Tyr Ala Asp Pro Arg Phe Asn Arg Glu
 225 230 235 240
 Val Asp Leu Tyr Thr Gly Tyr Thr Thr Arg Asn Ile Leu Cys Met Pro
 245 250 255
 Ile Val Ser Arg Gly Ser Val Ile Gly Val Val Gln Met Val Asn Lys
 260 265 270

PC9477BSEQ LISTING.APP.txt

Ile Ser Gly Ser Ala Phe Ser Lys Thr Asp Glu Asn Asn Phe Lys Met
 275 280 285

Phe Ala Val Phe Cys Ala Leu Ala Leu His Cys Ala
 290 295 300

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 <212> DNA
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 aggacaagag gcagctccct tgagcgtccc cccaggcagt agtcaccgca gcagcgggtgg 180
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 ccttgccacc gtttgggcgc tgccttctcg ctccgacatg gaagatggac cctctaacia 480
 tgcgagttgc ttccgaaggc tgaccgagtg tttcctcagc cccagtttga cggatgaaaa 540
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 gaacagctac atagagcagc gcctggacac gggcggggac aaccacctgc tcctctatga 780
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 ctccaccatg gagcaacacc acttctccca gacggtgtcc atccttcagc tgggaaggga 2280
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 gtaccagaca gggtcgctga acctccacaa ccagtcctat cgagaccgtg tcatcggctt 2460
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PC9477BSEQ LISTING.APP.txt

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<210> 15
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 35 40 45
 Ser Ala Glu Thr Val Glu Lys Trp Leu Lys Arg Lys Thr Asn Lys Ala
 50 55 60
 Lys Asp Glu Pro Ser Pro Lys Glu Val Ser Arg Tyr Gln Asp Thr Asn
 65 70 75 80
 Met Gln Gly Val Val Tyr Glu Leu Asn Ser Tyr Ile Glu Gln Arg Leu
 85 90 95
 Asp Thr Gly Gly Asp Asn His Leu Leu Leu Tyr Glu Leu Ser Ser Ile
 100 105 110
 Ile Arg Ile Ala Thr Lys Ala Asp Gly Phe Ala Leu Tyr Phe Leu Gly
 115 120 125
 Glu Cys Asn Asn Ser Leu Cys Val Phe Ile Pro Pro Gly Met Lys Glu
 130 135 140
 Gly Gln Pro Arg Leu Ile Pro Ala Gly Pro Ile Thr Gln Gly Thr Thr
 145 150 155 160
 Ile Ser Ala Tyr Val Ala Lys Ser Arg Lys Thr Leu Leu Val Glu Asp
 165 170 175
 Ile Leu Gly Asp Glu Arg Phe Pro Arg Gly Thr Gly Leu Glu Ser Gly
 180 185 190
 Thr Arg Ile Gln Ser Val Leu Cys Leu Pro Ile Val Thr Ala Ile Gly
 195 200 205
 Asp Leu Ile Gly Ile Leu Glu Leu Tyr Arg His Trp Gly Lys Glu Ala
 210 215 220
 Phe Cys Leu Ser His Gln Glu Val Ala Thr Ala Asn Leu Ala Trp Ala
 225 230 235 240
 Ser Val Ala Ile His Gln Val Gln Val Cys Arg Gly Leu Ala Lys Gln
 245 250 255
 Thr Glu Leu Asn Asp Phe Leu Leu Asp Val Ser Lys Thr Tyr Phe Asp
 260 265 270
 Asn Ile Val Ala Ile Asp Ser Leu Leu Glu His Ile Met Ile Tyr Ala

PC9477BSEQ LISTING.APP.txt
280 285

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Glu Gly Lys Pro Ile Phe Lys Lys Thr Lys Glu Ile Arg Phe Ser Ile
325 330 335
Glu Lys Gly Ile Ala Gly Gln Val Ala Arg Thr Gly Glu Val Leu Asn
340 345 350
Ile Pro Asp Ala Tyr Ala Asp Pro Arg Phe Asn Arg Glu Val Asp Leu
355 360 365
Tyr Thr Gly Tyr Thr Thr Arg Asn Ile Leu Cys Met Pro Ile Val Ser
370 375 380
Arg Gly Ser Val Ile Gly Val Val Gln Met Val Asn Lys Ile Ser Gly
385 390 395 400
Ser Ala Phe Ser Lys Thr Asp Glu Asn Asn Phe Lys Met Phe Ala Val
405 410 415
Phe Cys Ala Leu Ala Leu His Cys Ala Asn Met Tyr His Arg Ile Arg
420 425 430
His Ser Glu Cys Ile Tyr Arg Val Thr Met Glu Lys Leu Ser Tyr His
435 440 445
Ser Ile Cys Thr Ser Glu Glu Trp Gln Gly Leu Met Arg Phe Asn Leu
450 455 460
Pro Ala Arg Ile Cys Arg Asp Ile Glu Leu Phe His Phe Asp Ile Gly
465 470 475 480
Pro Phe Glu Asn Met Trp Pro Gly Ile Phe Val Tyr Met Ile His Arg
485 490 495
Ser Cys Gly Thr Ser Cys Phe Glu Leu Glu Lys Leu Cys Arg Phe Ile
500 505 510
Met Ser Val Lys Lys Asn Tyr Arg Arg Val Pro Tyr His Asn Trp Lys
515 520 525
His Ala Val Thr Val Ala His Cys Met Tyr Ala Ile Leu Gln Asn Asn
530 535 540
Asn Gly Leu Phe Thr Asp Leu Glu Arg Lys Gly Leu Leu Ile Ala Cys
545 550 555 560
Leu Cys His Asp Leu Asp His Arg Gly Phe Ser Asn Ser Tyr Leu Gln
565 570 575
Lys Phe Asp His Pro Leu Ala Ala Leu Tyr Ser Thr Ser Thr Met Glu
580 585 590
Gln His His Phe Ser Gln Thr Val Ser Ile Leu Gln Leu Glu Gly His
595 600 605
Asn Ile Phe Ser Thr Leu Ser Ser Ser Glu Tyr Glu Gln Val Leu Glu
610 615 620
Ile Ile Arg Lys Ala Ile Ile Ala Thr Asp Leu Ala Leu Tyr Phe Gly
625 630 635 640

PC9477BSEQ LISTING.APP.txt

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660 665 670
Cys Asp Leu Cys Ser Val Thr Lys Leu Trp Pro Val Thr Lys Leu Thr
675 680 685
Ala Asn Asp Ile Tyr Ala Glu Phe Trp Ala Glu Gly Asp Glu Met Lys
690 695 700
Lys Leu Gly Ile Gln Pro Ile Pro Met Met Asp Arg Asp Lys Arg Asp
705 710 715 720
Glu Val Pro Gln Gly Gln Leu Gly Phe Tyr Asn Ala Val Ala Ile Pro
725 730 735
Cys Tyr Thr Thr Leu Thr Gln Ile Leu Pro Pro Thr Glu Pro Leu Leu
740 745 750
Lys Ala Cys Arg Asp Asn Leu Asn Gln Trp Glu Lys Val Ile Arg Gly
755 760 765
Glu Glu Thr Ala Met Trp Ile Ser Gly Pro Gly Pro Ala Pro Ser Lys
770 775 780
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attagacgag tttgtttctg aaagtgttag tgcggagacc gtggagaagt ggctgaagag 180
gaaaaacgac aaagcagaag atgaaccatc tcctaaggaa gtcagcaggt accaggacac 240
gaacatgcag ggagtcgtgt acgagctgaa cagctacata gacgagcgcc tggacaccgg 300
cggggacaac cacctgctcc tgtacgagct aaacagtatc atcaggatag ccacaaaagc 360
cgacggattt gcactgtact tccttggaga gtgcaataat agtctgtgtg tcttcacacc 420
acccggaatg aaggaaggct aaccccgtct catccccgca gggcccatca cccagggcac 480
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<211> 160
<212> PRT
<213> Rat

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20 25 30
Leu Ser Leu His Pro Gln Val Leu Asp Glu Phe Val Ser Glu Ser Val
35 40 45
Ser Ala Glu Thr Val Glu Lys Trp Leu Lys Arg Lys Asn Asp Lys Ala
50 55 60

PC9477BSEQ LISTING.APP.txt

Glu Asp Glu Pro Ser Pro Lys Glu Val Ser Arg Tyr Gln Asp Thr Asn
65 70 75 80
Met Gln Gly Val Val Tyr Glu Leu Asn Ser Tyr Ile Glu Gln Arg Leu
85 90 95
Asp Thr Gly Gly Asp Asn His Leu Leu Leu Tyr Glu Leu Asn Ser Ile
100 105 110
Ile Arg Ile Ala Thr Lys Ala Asp Gly Phe Ala Leu Tyr Phe Leu Gly
115 120 125
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130 135 140
Gly Gln Pro Arg Leu Ile Pro Ala Gly Pro Ile Thr Gln Gly Thr Thr
145 150 155 160

<210> 18
<211> 539
<212> DNA
<213> Rat

<400> 18
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gccatagact ctctacttga acacatcatg atatatgcaa aaaatctagt gaacgccgac 180
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<210> 19
<211> 178
<212> PRT
<213> Rat

<400> 19
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Lys Thr Tyr Phe Asp Asn Ile Val Ala Ile Asp Ser Leu Leu Glu His
35 40 45
Ile Met Ile Tyr Ala Lys Asn Leu Val Asn Ala Asp Arg Cys Ala Leu
50 55 60
Phe Gln Val Asp His Lys Asn Lys Glu Leu Tyr Ser Asp Leu Phe Asp
65 70 75 80
Ile Gly Glu Glu Lys Glu Gly Lys Pro Val Phe Lys Lys Thr Lys Glu
85 90 95
Ile Arg Phe Ser Ile Glu Lys Gly Ile Ala Gly Gln Val Ala Arg Thr
100 110
Gly Glu Val Leu Asn Ile Pro Asp Ala Tyr Ala Asp Pro Arg Phe Asn

PC9477BSEQ LISTING.APP.txt
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115

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130						135					140				
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145					150					155					160
Asn	Lys	Ile	Ser	Gly	Ser	Ala	Phe	Ser	Lys	Thr	Asp	Glu	Asn	Asn	Phe
				165					170					175	
Lys	Met														